

1        **CLAIMS**

2        1. A method for mapping a user in a heterogeneous network  
3 comprising:

4              receiving on a computer in a first network a user name associated with a  
5 user in the first network;

6              mapping the user name to a user name associated with the user in a second  
7 network; and

8              mapping the user name associated with the user in the second network to a  
9 user identification number associated with the user in the second network.

10         2. The method of claim 1 further comprising accessing resources on a  
11 computer in the second network using the user identification number.

12         3. The method of claim 1 further comprising authenticating the user  
13 after the mappings.

14         4. The method of claim 1 wherein the first network uses a personal  
15 computer based operating system.

16         5. The method of claim 1 wherein the second network uses a UNIX  
17 based operating system.

18         6. The method of claim 1 wherein the computer comprises a gateway.

19         7. The method of claim 1 wherein the computer comprises a client.

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2       8.     The method of claim 1 wherein the mapping includes using a map  
3 on a mapping server.

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5       9.     The method of claim 1 wherein the mapping includes using remote  
6 procedure calls.

7  
8       10.    The method of claim 9 wherein the remote procedure calls comprise  
9 at least one remote procedure call selected from the group consisting of getting  
10 credentials, authenticating using credentials, checking map status, and dumping  
11 maps remote procedure calls.

12  
13      11.    A computer-readable medium storing computer-executable  
14 instructions to map a user name associated with a user in a first network to a user  
15 name associated with a user in a second network and to map the user name  
16 associated with the user in the second network to a user identification number  
17 associated with the user in the second network.

18  
19      12.    The computer-readable medium of claim 11 further comprising a  
20 graphical user interface.

1       13. A method for mapping a user in a heterogeneous network  
2 comprising:

3             receiving on a computer in a first network a user name and a password  
4 associated with a user in a second network;

5             authenticating the user using the user name and the password to produce an  
6 authenticated user; and

7             mapping the authenticated user to a user identification number associated  
8 with the user in a second network.

9  
10       14. The method of claim 13 further comprising accessing resources on a  
11 computer in the second network using the user identification number.

12  
13       15. The method of claim 13 wherein a computer in the first network  
14 performs the authenticating.

15  
16       16. The method of claim 13 wherein a computer in the first network  
17 performs the mapping.

18  
19       17. The method of claim 13 wherein the first network uses a personal  
20 computer based operating system.

21  
22       18. The method of claim 13 wherein the second network uses a UNIX  
23 based operating system.

24  
25       19. The method of claim 13 wherein the computer comprises a gateway.

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2       20. The method of claim 13 wherein the computer comprises a client.  
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4       21. The method of claim 13 wherein the mapping includes using a map  
5 on a mapping server.

6  
7       22. The method of claim 13 wherein the mapping includes using remote  
8 procedure calls.

9  
10      23. The method of claim 22 wherein the remote procedure calls  
11 comprise at least one remote procedure call selected from the group consisting of  
12 getting credentials, authenticating using credentials, checking map status, and  
13 dumping maps remote procedure calls.

14  
15      24. A computer-readable medium storing computer-executable  
16 instructions to map a user name associated with a user in a first network to a user  
17 name associated with a user in a second network and to map the user name  
18 associated with the user in the second network to a user identification number  
19 associated with the user in the second network.

20  
21      25. The computer-readable medium of claim 24 further comprising a  
22 graphical user interface.

1       26. A method for mapping a user in a heterogeneous network  
2 comprising:

3           receiving on a computer in a second network a user identification number  
4 associated with a user in a first network; and

5           mapping the user identification number to a user name associated with the  
6 user in the second network.

7  
8       27. The method of claim 26 further comprising accessing resources on a  
9 computer in the second network using the user name.

10  
11      28. The method of claim 26 wherein a computer in the second network  
12 performs the authenticating.

13  
14      29. The method of claim 26 wherein a computer in the second network  
15 performs the mapping.

16  
17      30. The method of claim 26 wherein the second network uses a personal  
18 computer based operating system.

19  
20      31. The method of claim 26 wherein the first network uses a UNIX  
21 based operating system.

22  
23      32. The method of claim 26 wherein the computer comprises a gateway.

24  
25      33. The method of claim 26 wherein the computer comprises a server.

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2       34. The method of claim 26 wherein the mapping includes using a map  
3 on a mapping server.

4

5       35. The method of claim 26 wherein the mapping includes using remote  
6 procedure calls.

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8       36. The method of claim 35 wherein the remote procedure calls  
9 comprise at least one remote procedure call selected from the group consisting of  
10 getting credentials, authenticating using credentials, checking map status, and  
11 dumping maps remote procedure calls.

12

13       37. A computer-readable medium storing computer-executable  
14 instructions to map a user name associated with a user in a first network to a user  
15 name associated with a user in a second network and to map the user name  
16 associated with the user in the second network to a user identification number  
17 associated with the user in the second network.

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19       38. The computer-readable medium of claim 37 further comprising a  
20 graphical user interface.

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1       39. A method for mapping a user in a heterogeneous network  
2 comprising:

3       receiving on a computer in a first network a user name associated with a  
4 user in the first network;

5       mapping the user name to a user name associated with the user in a second  
6 network; and

7       mapping the user name associated with the user in the second network to a  
8 user identification number associated with the user in the second network, wherein  
9 the mapping includes using a map on a mapping server and the mapping server  
10 maintains a default map, a simple map and/or explicit maps that provide override.

11  
12       40. The method of claim 39 wherein the mapping server further  
13 comprises algorithms for unmapping users, mapping multiple users and/or group  
14 mapping.

15  
16       41. A method for mapping a user in a heterogeneous network  
17 comprising:

18       receiving on a computer in a first network a user name and a password  
19 associated with a user in a second network;

20       authenticating the user using the user name and the password to produce an  
21 authenticated user; and

22       mapping the authenticated user to a user identification number associated  
23 with the user in a second network wherein the mapping includes using a map on a  
24 mapping server and the mapping server maintains a default map, a simple map  
25 and/or explicit maps that provide override.

1           42. The method of claim 41 wherein the mapping server further  
2 comprises algorithms for unmapping users, mapping multiple users and/or group  
3 mapping.

4

5           43. A method for mapping a user in a heterogeneous network  
6 comprising:

7                 receiving on a computer in a second network a user identification number  
8 associated with a user in a first network; and

9

10                 mapping the user identification number to a user name associated with the  
11 user in the second network wherein the mapping includes using a map on a  
12 mapping server and the mapping server maintains a default map, a simple map  
and/or explicit maps that provide override.

13

14           44. The method of claim 43 wherein the mapping server further  
15 comprises algorithms for unmapping users, mapping multiple users and/or group  
16 mapping.